

Applicant : Jay M. Short et al.
Serial No. : 09/580,515
Filed : May 25, 2000
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Attorney's Docket No.: 09010-029005

AMENDMENT

Please amend the application as follows:

In the claims:

Please replace claims 18, 46, 52, 53, 62, 68, 69, 73-75, and 77-79 with rewritten claims 18, 46, 52, 53, 62, 68, 69, 73-75, and 77-79 as follows:

-- 18. (Four times amended) A method to produce a foodstuff containing a microbial phytase comprising:

- a) providing a plant cell, plant part or plant that contains a recombinant expression vector comprising a phytase-encoding nucleic acid having a nucleotide sequence selected from
 - i) SEQ ID NO: 1, and
 - ii) SEQ ID NO: 1, wherein T can also be U;
- b) culturing the plant cell, plant part or plant under conditions wherein said nucleic acid is expressed as a polypeptide; and
- c) converting said plant cells, plant parts or plants into a composition suitable for foodstuff, wherein the foodstuff contains phytate and the phytase.

D2 46. (Amended) The method of claim 18, wherein the phytase catalyzes liberation of inorganic phosphate from the phytate in the foodstuff.

D3 52. (Amended) The method of claim 18, wherein the foodstuff is for a non-ruminant animal.

53. (Amended) The method of claim 18, wherein the foodstuff is for a monogastric animal.

62. (Amended) The method of claim 56, wherein the phytase catalyzes liberation of inorganic phosphate from the phytate in the foodstuff.

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68. (Amended) The method of claim 56, wherein the foodstuff is for a non-ruminant animal.

69. (Amended) The method of claim 56, wherein the foodstuff is for a monogastric animal.

73. (Amended) The method of claim 46, wherein the foodstuff is an animal feed.

74. (Amended) The method of claim 52, wherein the foodstuff is an animal feed.

75. (Amended) The method of claim 53, wherein the foodstuff is an animal feed.

77. (Amended) The method of claim 62, wherein the foodstuff is an animal feed.

78. (Amended) The method of claim 68, wherein the foodstuff is an animal feed.

79. (Amended) The method of claim 69, wherein the foodstuff is an animal feed. --